

02-11-00

IN THE UNITED STATES OF AMERICA
PATENT AND TRADEMARK OFFICE

APPLICANT: Montero

TITLE: BOTTLE WITH INTEGRALLY FORMED OPENER

ATTORNEY DOCKET NO.: 00-012283

COMMISSIONER OF PATENTS AND TRADEMARKS
WASHINGTON, D.C. 20231

NEW APPLICATION TRANSMITTAL

Transmitted herewith for filing is the patent application of

Inventor(s): Roberto L. Montero

for BOTTLE WITH INTEGRALLY FORMED OPENER

This new application is for a(n)

- ☒ Original Utility
- ☐ Design
- ☐ Plant
- ☐ Divisional
- ☐ Continuation
- ☐ Continuation-in-part

Enclosed are:

- 7 Pages of specification
- 2 Pages of claims
- 1 Pages of abstract
- 1 Sheets of drawings
 - ☐ formal
 - ☒ informal

Additional papers enclosed:

- ☒ Information Disclosure Statement
- ☒ Combined Declaration and Power of Attorney
- ☐ Assignment of the invention to _____

The inventorship for all the claims in this application are:

- ☒ the same
- ☐ are not the same. An explanation, including the ownership of the various claims at the time the last claimed invention was made,
 - ☐ is submitted
 - ☐ will be submitted

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jc772 U.S. PTO

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jc525 U.S. PTO
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CLAIMS AS FILED

BASIC FEE
(\$690.00)

Total					
Claims	1	-20 = 0	X	\$18.00	0.00
Independent					
Claims	1	-3= 0	X	\$78.00	0.00
Multiple dependent					
Claims		0	X	\$260.00	0.00

Total Filing Fee \$ 690.00

☒ Verified Statement(s) that this is a filing by a small entity under 37 CFR 1.9 and 1.27 is(are) attached.

Filing Fee Calculation (50% of above) \$ 345.00

Fee Payment Being Made At This Time:

☐ Not Enclosed
☒ Enclosed
☒ Basic filing fee \$ 345.00
☐ Assignment \$

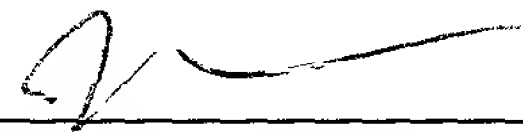
Method of Payment of Fees:

☒ Check in the amount of \$ 345.00
☐ Charge Account No. in the amount of

In Case of Overpayment:

☒ refund

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VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9 (f) AND 1.27 (b)) - INDEPENDENT INVENTOR

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9 (C) for purposes of paying reduced fees under section 41 (a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled BOTTLE WITH INTEGRALLY FORMED OPENER described in the specification filed herewith.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9 c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9 (d) or a nonprofit organization under 37 CFR 1.9 (e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

☒ [X] no such person, concern, or organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as

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a small entity is no longer appropriate. (37 CFR 1.28 (b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Roberto L. Montero
NAME OF INVENTOR


SIGNATURE OF INVENTOR

2-1-00
DATE

IN THE UNITED STATES OF AMERICA
PATENT AND TRADEMARK OFFICE

APPLICANT: Montero

TITLE: BOTTLE WITH INTEGRALLY FORMED OPENER

ATTORNEY DOCKET NO.: 00-012283

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper attached hereto or enclosed herewith) is being deposited on the date shown below with the U.S. Postal Service in an envelope addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

☐ 37 CFR 1.8(a) with sufficient postage as first class mail;

☒ 37 CFR 01.10 as "Express Mail Post Office to Addressee" Mailing Label No. EJ801401523US

- 1) New Application Transmittal;
- 2) Verified Statement claiming Small Entity Status;
- 3) Combined Declaration and Power of Attorney;
- 4) 9 pages of Specification and Claims;
- 5) 1 page of Drawings;
- 6) 1 page Abstract;
- 7) Check in the amount of \$345.00; and
- 8) Information Disclosure Statement.

Date February 10, 2000


JOSEPH N. BREAU

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[illegible]

Inventor:

Invention:

Prepared by:

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(P/A File ID: 00-012283)
[Printed: January 11, 2000]

[Attorney's Docket ID: 00-012283]

Description

BOTTLE WITH INTEGRALLY FORMED OPENER

Technical Field

5 The present invention relates to beverage bottles with twist
off bottle caps and more particularly to a bottle with integrally
formed opener that includes a twist off bottle cap, a molded glass
bottle, and a peel off sanitary cover member; the twist off bottle
cap having a number of evenly spaced grippable teeth extending
10 outwardly from an internally threaded center cover portion; the
molded glass bottle having a neck portion and a bottom portion; the
neck portion terminating in a externally threaded neck member
defining a dispensing opening and companionately threaded to engage
and hold the twist off bottle cap in sealing relation to the
15 dispensing opening of the externally threaded neck member; the
bottom portion having a cap teeth engaging bottle cavity formed
into a bottom surface thereof sized to receiving a twist off bottle
cap therein and having a number of grippable teeth engaging
20 protrusions that are sized and shaped to fit between evenly spaced
grippable teeth of the twist off bottle cap; the peel off sanitary
cover member being adhesively secured to the bottom surface of the
bottom portion such that the cap teeth engaging bottle cavity is

sealingly covered; the peel off sanitary cover member having a grip tab extending from a side edge thereof.

Background Art

Many individuals find it difficult to twist off the twist off cap of many beverage bottles. It would be a benefit, therefore, to have a beverage bottle with a twist off cap that included a cap twisting structure molded into a bottom bottle surface thereof sized and shaped to gripping hold the twist off cap of another identical bottle. Because the cap twisting structure is molded into the bottom surface of the bottle where it can become contaminated while sitting on a table, in an ice chest or the like, it would also be a benefit to have a peel off cover member positioned over the cap twisting structure to protect it from contamination until it is used.

General Summary Discussion of Invention

It is thus an object of the invention to provide a bottle with integrally formed opener that includes a twist off bottle cap, a molded glass bottle, and a peel off sanitary cover member; the twist off bottle cap having a number of evenly spaced grippable teeth extending outwardly from an internally threaded center cover portion; the molded glass bottle having a neck portion and a bottom portion; the neck portion terminating in a externally threaded neck

member defining a dispensing opening and companionately threaded to engage and hold the twist off bottle cap in sealing relation to the dispensing opening of the externally threaded neck member; the bottom portion having a cap teeth engaging bottle cavity formed
5 into a bottom surface thereof sized to receiving a twist off bottle cap therein and having a number of grippable teeth engaging protrusions that are sized and shaped to fit between evenly spaced grippable teeth of the twist off bottle cap; the peel off sanitary cover member being adhesively secured to the bottom surface of the
10 bottom portion such that the cap teeth engaging bottle cavity is sealingly covered; the peel off sanitary cover member having a grip tab extending from a side edge thereof.

Accordingly, a bottle with integrally formed opener is provided. The bottle with integrally formed opener includes a
15 twist off bottle cap, a molded glass bottle, and a peel off sanitary cover member; the twist off bottle cap having a number of evenly spaced grippable teeth extending outwardly from an internally threaded center cover portion; the molded glass bottle having a neck portion and a bottom portion; the neck portion
20 terminating in a externally threaded neck member defining a dispensing opening and companionately threaded to engage and hold the twist off bottle cap in sealing relation to the dispensing opening of the externally threaded neck member; the bottom portion

having a cap teeth engaging bottle cavity formed into a bottom surface thereof sized to receiving a twist off bottle cap therein and having a number of grippable teeth engaging protrusions that are sized and shaped to fit between evenly spaced grippable teeth
5 of the twist off bottle cap; the peel off sanitary cover member being adhesively secured to the bottom surface of the bottom portion such that the cap teeth engaging bottle cavity is sealingly covered; the peel off sanitary cover member having a grip tab extending from a side edge thereof.

10 **Brief Description of Drawings**

For a further understanding of the nature and objects of the present invention, reference should be made to the following detailed description, taken in conjunction with the accompanying drawings, in which like elements are given the same or analogous
15 reference numbers and wherein:

Figure 1 is a perspective view of an exemplary embodiment of the bottle with integrally formed opener showing the twist off bottle cap, the molded glass bottle, and the peel off sanitary cover member; the twist off bottle cap having a number of evenly
20 spaced grippable teeth extending outwardly from an internally threaded center cover portion; the molded glass bottle having a neck portion and a bottom portion; the neck portion terminating in

a externally threaded neck member defining a dispensing opening and companionately threaded to engage and hold the twist off bottle cap in sealing relation to the dispensing opening of the externally threaded neck member; the bottom portion having a cap teeth engaging bottle cavity formed into a bottom surface thereof sized to receiving a twist off bottle cap therein and having a number of grippable teeth engaging protrusions that are sized and shaped to fit between evenly spaced grippable teeth of the twist off bottle cap; the peel off sanitary cover member being adhesively secured to the bottom surface of the bottom portion such that the cap teeth engaging bottle cavity is sealingly covered; the peel off sanitary cover member having a grip tab extending from a side edge thereof.

Figure 2 is a bottom plan view showing the peel off sanitary cover member adhesively secured to the bottom surface of the bottom portion such that the cap teeth engaging bottle cavity is sealingly covered.

Figure 3 is a bottom plan view showing the cap teeth engaging bottle cavity with the peel off sanitary cover member peeled away.

Exemplary Mode for Carrying Out the Invention

Figures 1-3 show various aspects of an exemplary embodiment of the bottle with integrally formed opener of the present invention generally designated 10. Bottle with integrally formed opener 10

includes a twist off bottle cap, generally designated 12; a molded glass bottle, generally designated 14; and a peel off sanitary cover member, generally designated 16.

Twist off bottle cap 12 has a number of evenly spaced grippable teeth 18 extending outwardly from an internally threaded center cover portion 20. Molded glass bottle 14 has a neck portion 22 and a bottom portion 24. Neck portion 22 terminates in an externally threaded neck member 28 defining a dispensing opening 30 and has companionate threads 32 to engage and hold twist off bottle cap 12 in sealing relation to dispensing opening 30.

Bottom portion 24 has a cap teeth engaging bottle cavity 36 formed into a bottom surface 38 thereof sized to receiving a twist off bottle cap 12 of another identical bottle 10 therein. Cap teeth engaging bottle cavity 36 also has a number of grippable teeth engaging protrusions 40 that are sized and shaped to fit between evenly spaced grippable teeth 18 of twist off bottle cap 12.

Peel off sanitary cover member 16 is formed from moisture impermeable material and is adhesively secured to bottom surface 38 of bottom portion 24 such that cap teeth engaging bottle cavity 36 is sealingly covered. In use, peel off sanitary cover member 16 is removed by gripping and pulling on a grip tab 44 that extends from a side edge 46 thereof. Sanitary cover member 16 keeps cap teeth engaging bottle cavity 36 protected from contaminants on

surfaces such as table tops and the like prior to use to remove a twist off cap 12.

It can be seen from the preceding description that a bottle with integrally formed opener has been provided that includes

5 It is noted that the embodiment of the bottle with integrally
formed opener described herein in detail for exemplary purposes is
of course subject to many different variations in structure,
design, application and methodology. Because many varying and
different embodiments may be made within the scope of the inventive
10 concept(s) herein taught, and because many modifications may be
made in the embodiment herein detailed in accordance with the
descriptive requirements of the law, it is to be understood that
the details herein are to be interpreted as illustrative and not in
a limiting sense.

Claims

What is claimed is:

1. A bottle with integrally formed opener comprising:

a twist off bottle cap;

a molded glass bottle; and

a peel off sanitary cover member;

5 said twist off bottle cap having a number of evenly spaced grippable teeth extending outwardly from an internally threaded center cover portion;

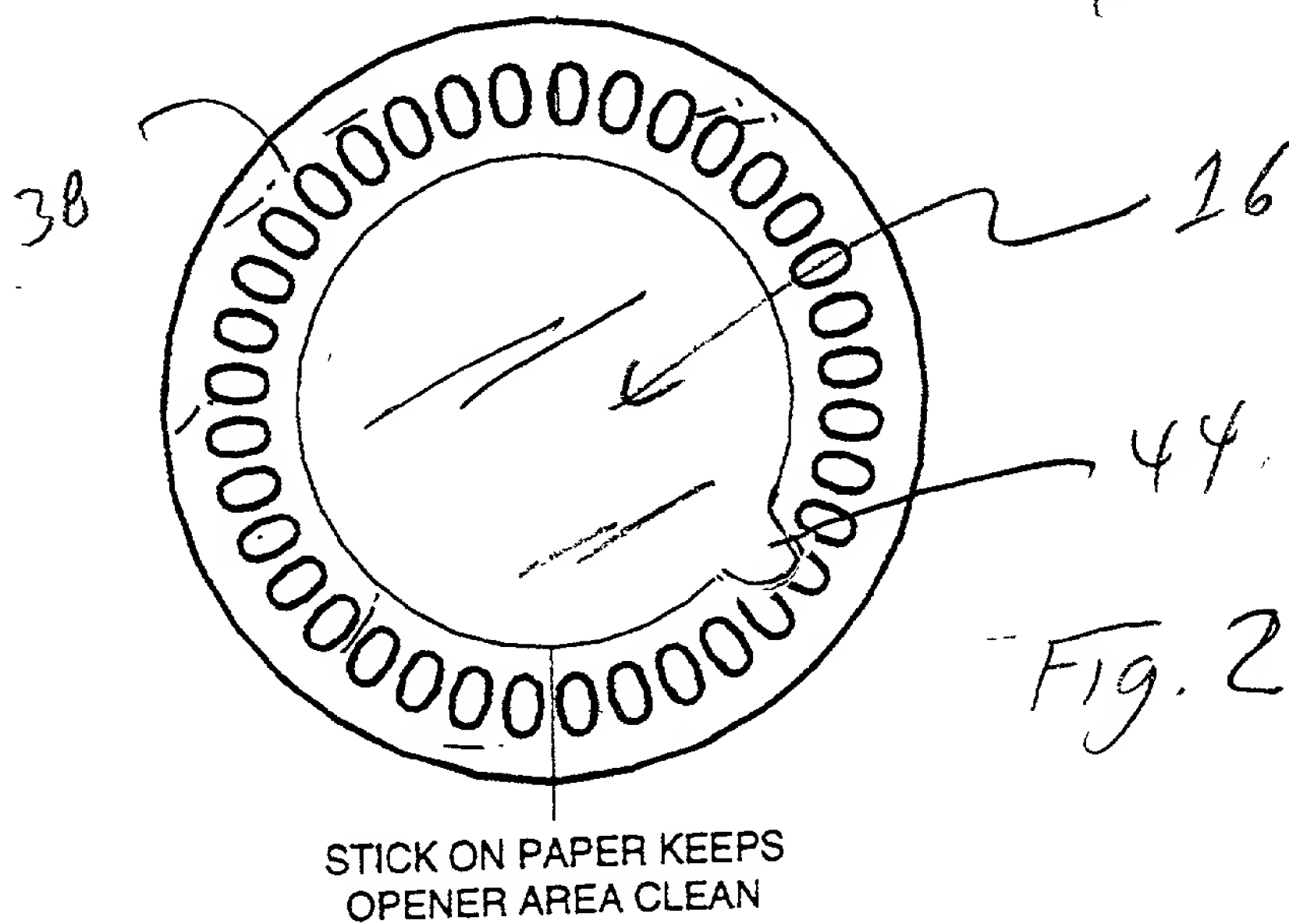
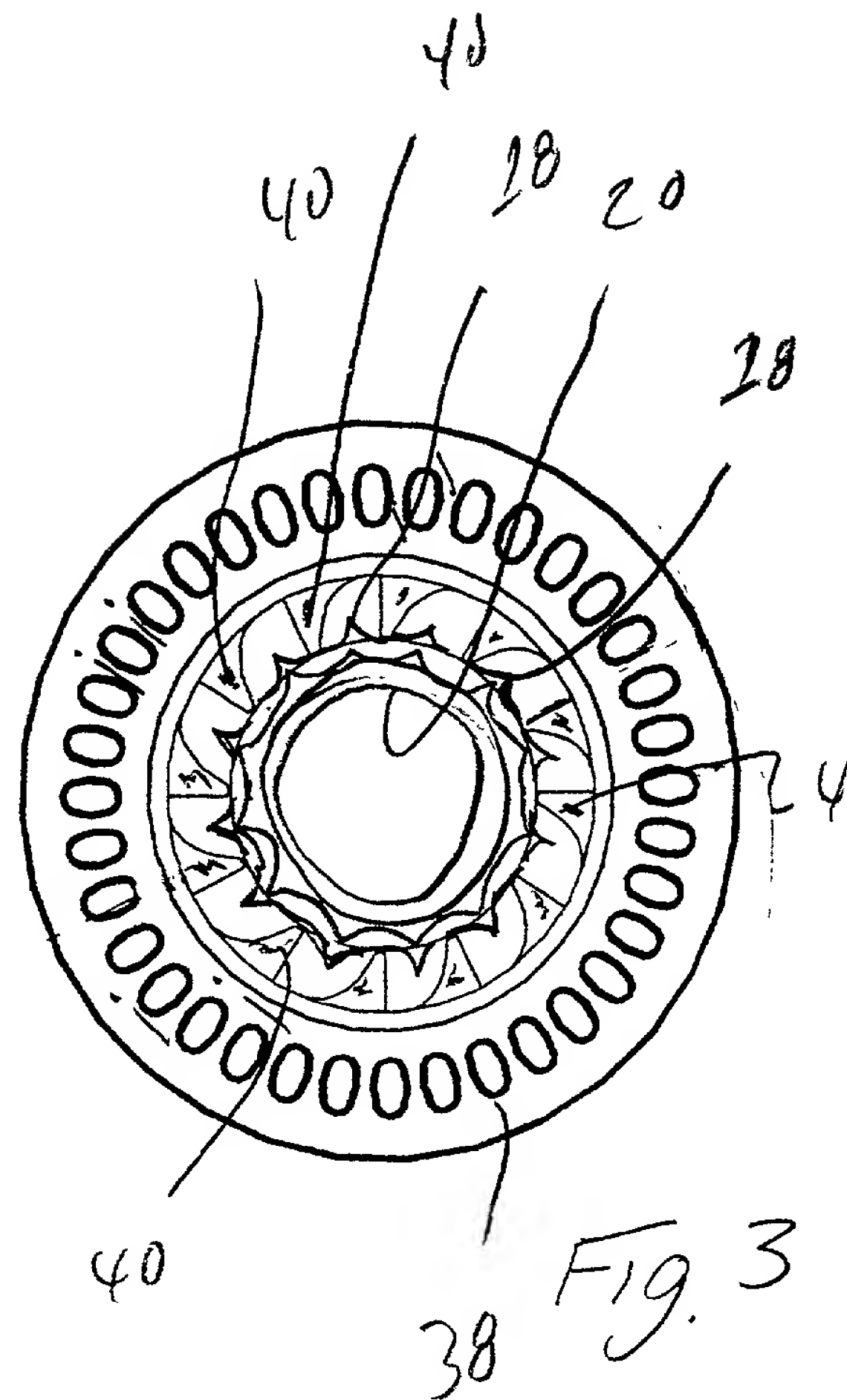
 said molded glass bottle having a neck portion and a bottom portion;

10 said neck portion terminating in a externally threaded neck member defining a dispensing opening and companionately threaded to engage and hold said twist off bottle cap in sealing relation to said dispensing opening of said externally threaded neck member;

 said bottom portion having a cap teeth engaging bottle cavity
15 formed into a bottom surface thereof sized to receiving a twist off bottle cap therein and having a number of grippable teeth engaging protrusions that are sized and shaped to fit between evenly spaced grippable teeth of said twist off bottle cap;

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WASHINGTON, D.C. 20231

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (or an original, first and joint inventor) of the subject matter which is claimed and for which a patent is sought on the invention entitled BOTTLE WITH INTEGRALLY FORMED OPENER, the specification of which

☒ is attached hereto

☐ was filed on _____ as Serial No. _____ or Express Mail No. _____, and was amended on _____ (if applicable).

☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 10 on _____ (if any).

☐ I hereby claim the benefit under Title 35, United States Code § 119 (e) of any United States Provisional Application(s) listed below.

Application Number _____

Filing Date _____

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I hereby state that I have reviewed and understand the content of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability in accordance with Title 37, Code of Federal Regulations, § 1.56.

[] In compliance with this duty there is attached an information disclosure statement. 37 CFR 1.97

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

JOSEPH N. BREAUX, Registration No. 36,462

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10630 N. Oak Hills Pkwy.,
Suite A
Baton Rouge, Louisiana 70810

DIRECT TELEPHONE CALLS TO:
Joseph N. Breaux
(225) 769-8500

DECLARATION: I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR: Roberto L. Montero

RESIDENCE ADDRESS: Sarasota, Florida

POST OFFICE ADDRESS: 1703 Dodge Avenue, Sarasota, FL 34234

COUNTRY OF CITIZENSHIP: U.S.A.

DATE: 2-1-00

SIGNATURE: [Signature]